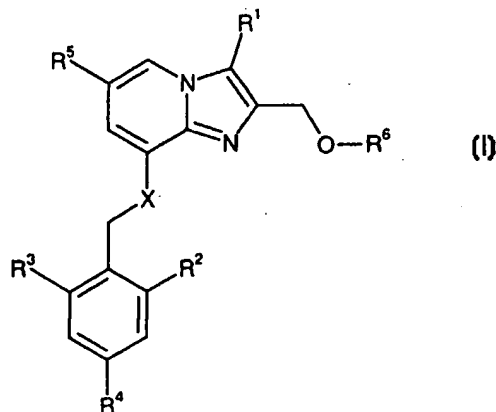


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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C07D 471/04, A61K 31/435	A3	(11) International Publication Number: WO 00/10999 (43) International Publication Date: 2 March 2000 (02.03.00)
(21) International Application Number: PCT/SE99/01401 (22) International Filing Date: 18 August 1999 (18.08.99) (30) Priority Data: 9802793-1 21 August 1998 (21.08.98) SE (71) Applicant (for all designated States except US): ASTRA AKTIEBOLAG [SE/SE]; S-151 85 Södertälje (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): AMIN, Kosrat [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). DAHLSTRÖM, Mikael [FI/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). NORDBERG, Peter [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). STARKE, Ingemar [SE/SE]; Astra Hässle AB, S-431 83 Mölndal (SE). (74) Agent: ASTRA AKTIEBOLAG; Intellectual Property, Patents, S-151 85 Södertälje (SE).	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 2 June 2000 (02.06.00)	

(54) Title: NEW COMPOUNDS**(57) Abstract**

The present invention relates to novel compounds, and therapeutically acceptable salts thereof of formula (I), which inhibit exogenously or endogenously stimulated gastric acid secretion and thus can be used in the prevention and treatment of gastrointestinal inflammatory diseases.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 99/01401

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C07D 471/04, A61K 31/435

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0033094 B1 (SCHERING CORPORATION), 5 August 1981 (05.08.81) -- -----	1-9, 14-15

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

8 February 2000

Date of mailing of the international search report

12 -02-2000

Name and mailing address of the ISA:

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INTERNATIONAL-TYPE SEARCH REPORT

Search request No.
PCT/SE99/01401

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international-type search report has not been established in respect of certain claims for the following reasons:

1. ☒ Claims No.: 11-13
because they relate to subject matter not required to be searched by this Authority, namely:
**A method for treatment of the human or animal body by therapy,
see rule 39.1.**
2. ☐ Claims No.:
because they relate to parts of the national application that do not comply with the prescribed requirements
to such an extent that no meaningful international-type search can be carried out, specifically:

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this application, as follows:

See extra sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international-type search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international-type search report covers only those claims for which fees were paid, specifically claims No.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international-type search report is restricted to the invention first mentioned in the claims, it is covered by claims No.: 1-9, 14-15

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL-TYPE SEARCH REPORT

International application No.
PCT/SE99/01401

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of:

The subjects, defined by the problems and their means of solution, as listed below are so different from each other that no technical relationship or interaction can be appreciated to be present so as to form a single general inventive concept.

Invention 1. Claims 1-9 and 14-15 directed to compound I which is useful in the treatment of gastrointestinal inflammatory diseases.

Invention 2. Claims 10 and 16 directed to a pharmaceutical formulation for use in the treatment or prophylaxis of conditions involving infection by *Helicobacter pylori* of the human gastric mucosa, wherein the active ingredient is compound I in combination with at least one antimicrobial agent.

The special technical feature of invention 1 is a novel compound useful in the treatment of gastrointestinal inflammatory diseases. The special technical feature of invention 2 is a combination of a compound I and at least one antimicrobial agent for use in the treatment or prophylaxis of conditions involving infection by *Helicobacter pylori* of the human gastric mucosa.

INTERNATIONAL SEARCH REPORT
Information on patent family members

02/12/99

International application No.

PCT/SE 99/01401

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0033094 B1	05/08/81	SE 0033094 T3	
		AU 540840 B	06/12/84
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